

# RADIO TIMING® 9s



RT9s master clock ensures synchronization of clocks and computer network.

NTP Time Server.  
Configuration and supervision via Ethernet network.

## Features

- **Automatic time setting** upon mains connection according to synchronization source .
- Pre-programmed daylight saving time.

## Supervision

**Communication on Ethernet**, easy configuration via WEB pages (IHM user friendly).  
**Integrated supervision** via SNMP V2.c protocol.

## Security

Memorization of time information by lithium battery.  
Backup configuration settings in flash memory.

## Specifications

<b>Power Supply</b>	230 VAC/50-60Hz 115 VAC/50-60Hz 48 VDC
<b>Certifications</b>	CE, EN 60950 (security), EN 55022 (CEM emission), EN 55024 (CEM immunity), ROHS
<b>Maximal consumption</b>	35 VA
<b>IP</b>	30 IK9
<b>MTBF</b>	47 330 h.
<b>MTTR</b>	Mother board : 10 min. Display board : 5 min. Power board : 5 min. Output board : 5 min.
<b>Weight</b>	Rack 19" 1U : 2,5 Kg
<b>Dimension</b>	Rack 19" 1U : 482 x 44 x 266 mm (LxHxP)
<b>Display</b>	LCD graphics 4 lines 20 backlit characters blue
<b>Operating temperature</b>	0° to 50° C
<b>Storage temperature</b>	-20° to 80° C

## Key features

- Remote configuration and **time setting via Ethernet.**
- **Supervision via HTTP, SNMP, Telnet.** "GT Network Manager" Windows® NT/XP/2000/2003/Vista(32 bits)/Windows 7.
  - **TCXO oscillator** temperature compensated quartz.
  - Accuracy of time base about 0.1 sec / day from **0° to 40°C.**
  - Lithium battery : **10 years saving information**, time and date.
  - Security of the programs provided by the flash memory storage.
  - Rack 19" 1U.

## Synchronization inputs

- **Synchronization via :**
  - DCF (Europe).
  - France Inter (Europe).
  - GPS antenna without power supply up to 100m on a single telephone pair (via a GPS/DCF converter).
  - AFNOR NFS 87500 (IRIG B).
  - NTP on Ethernet 10/100BaseT( RJ45 connector).

## Synchronization outputs

- AFNOR NFS 87500/IRIG B 1000Hz Time code output. Millisecond accuracy. (can drive up to 250 units of GORGY TIMING clocks. )
- NTP : Network Time Protocol RFC 1305. Millisecond accuracy. (can drive up to 500 units of GORGY TIMING clocks)..



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		ITEM CODE						
		4570	/				0	
				↑	↑	↑	↑	
<b>CASE</b>								
Rack	<input checked="" type="checkbox"/>	3						
<b>VERSION</b>								
France Inter radiosynchronization. Antenna + 4m cable	<input checked="" type="checkbox"/>		F					
DCF radiosynchronization. Antenna + 4m cable	<input checked="" type="checkbox"/>		D					
AFNOR NFS 87500 (IRIG B) synchronization 1kHz modulated	<input checked="" type="checkbox"/>		8					
GPS synchronization ( antenna + 10m cable) *	<input checked="" type="checkbox"/>		G					
NTP Ethernet 10/100 base T synchronization	<input type="checkbox"/>		N					
<b>POWER SUPPLY</b>								
Standard : 230VAC/50-60Hz	<input type="checkbox"/>		0					
115VAC/50-60Hz	<input checked="" type="checkbox"/>		1					
TBT 48 VDC power supply	<input checked="" type="checkbox"/>		6					
<b>OPTIONS</b>								
NTP/SNTP output	<input type="checkbox"/>		N					
AFNOR NFS 87500 (IRIG B) output	<input checked="" type="checkbox"/>		8					
Specification	<input checked="" type="checkbox"/>		S					

(\*)GPS antenna extension cable: add an extra line in the order-prices available in data base « Spare parts » 25m/ 50m/ 80m.

## OPTION: CONFIGURATION

Configuration of network settings, time outputs.

Prix Net HT :

Ability to configure and program the equipment in the factory according to the customer information. In that case, add an extra line in the order.